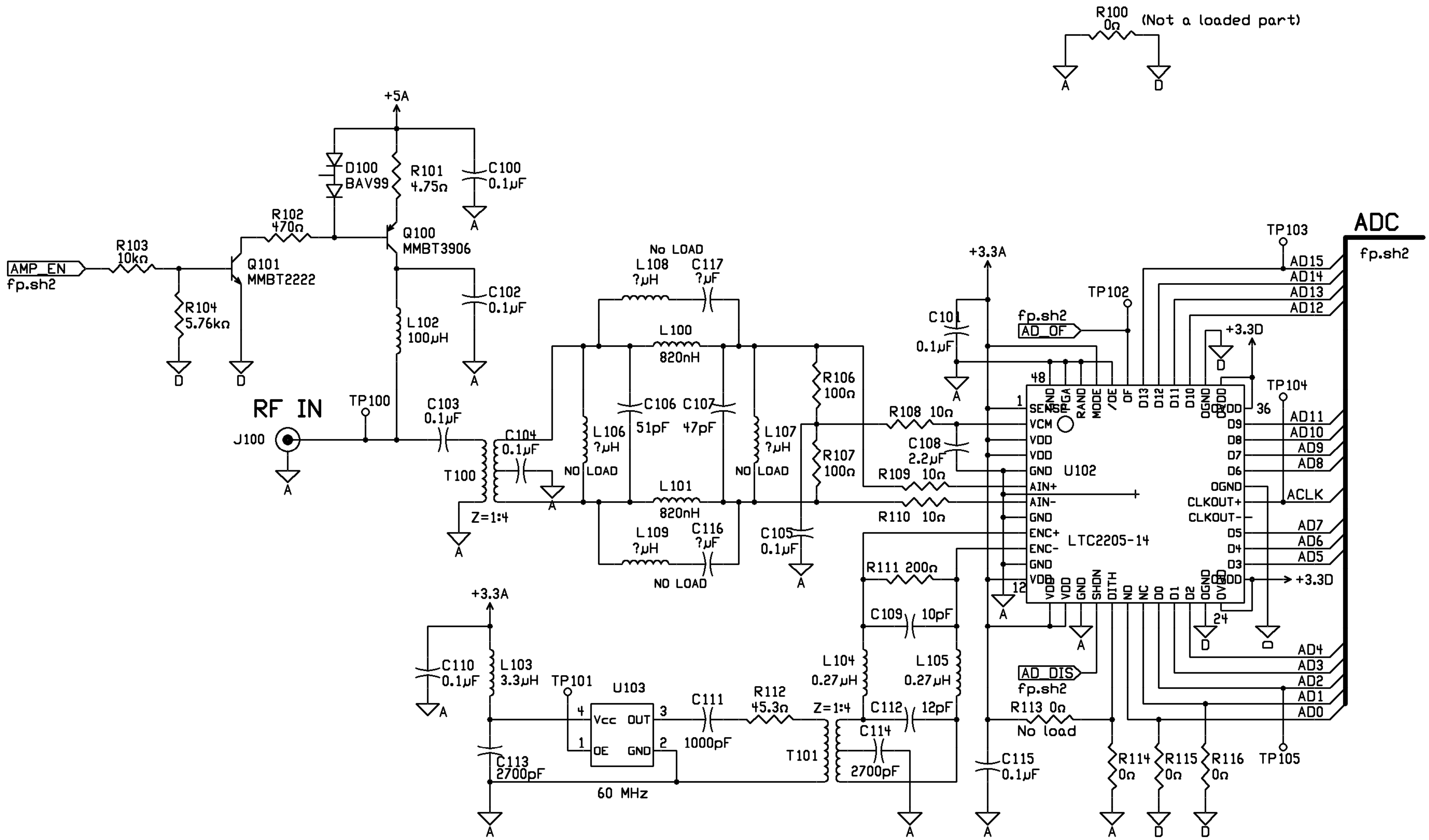
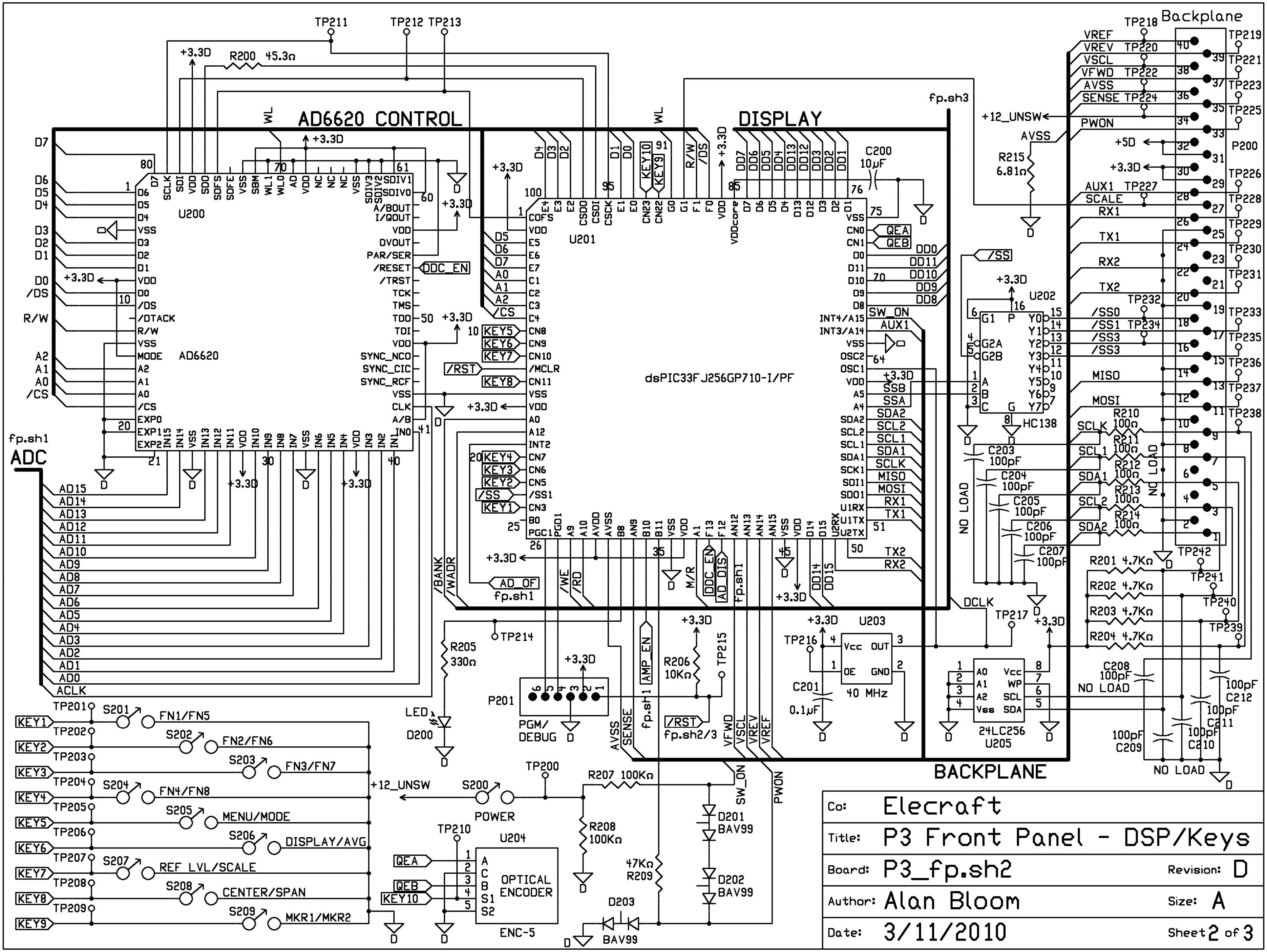
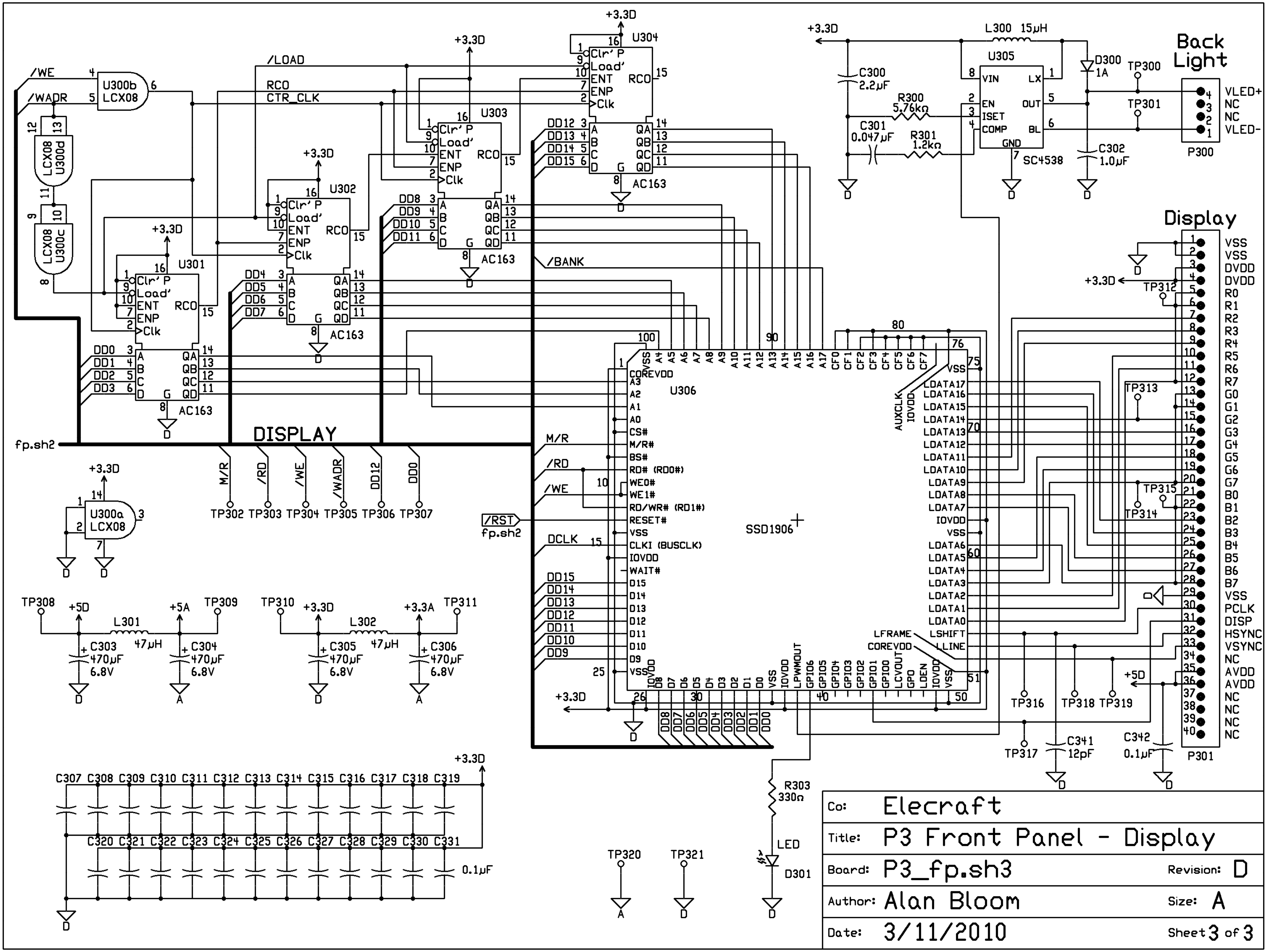


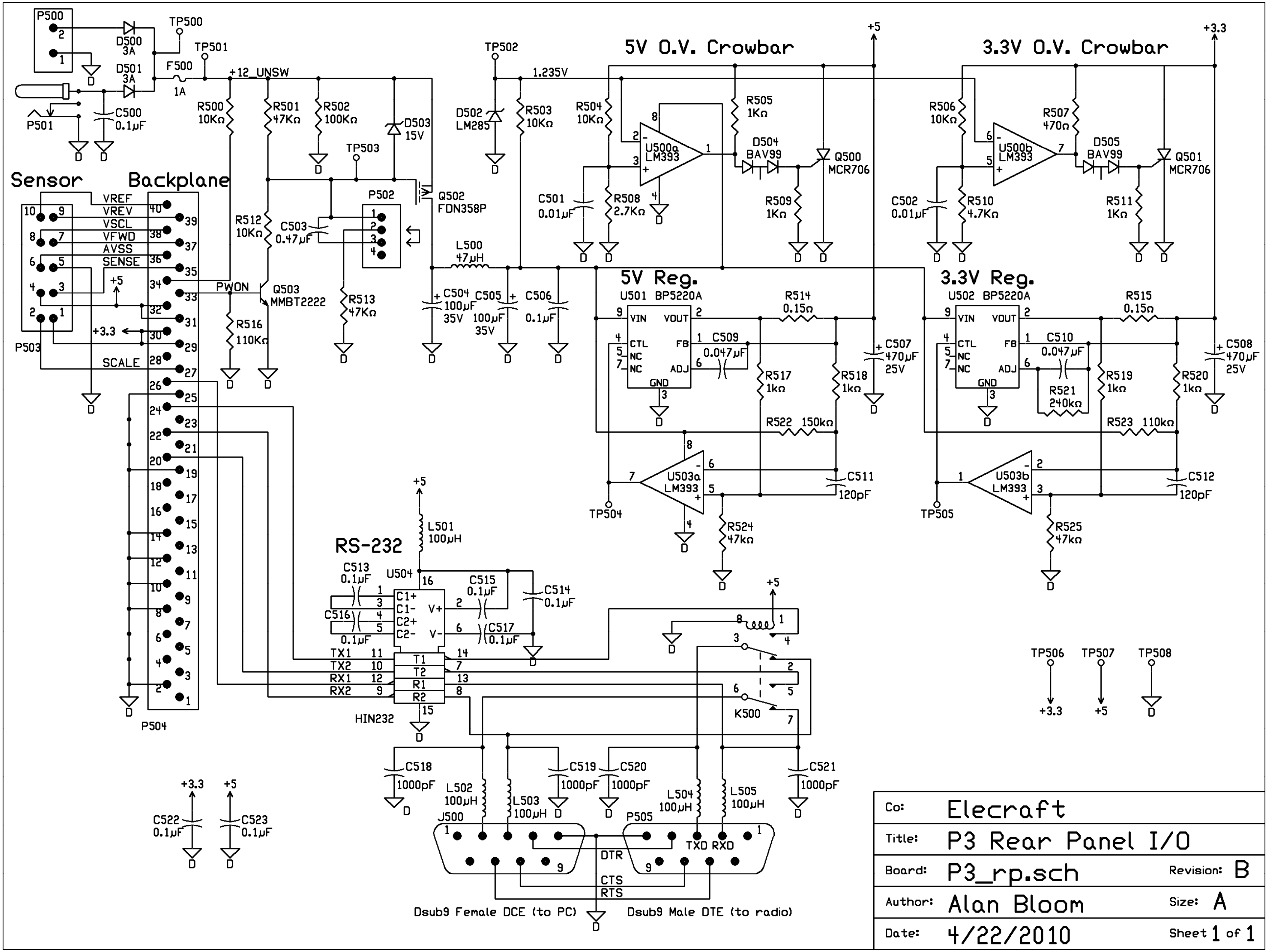
Co:	Elecraft
Title:	P3 Front Panel - ADC
Board:	P3_fp.sh1 — Revision: D
Author:	Alan Bloom — Size: A
Date:	3/11/2010 — Sheet 1 of 3

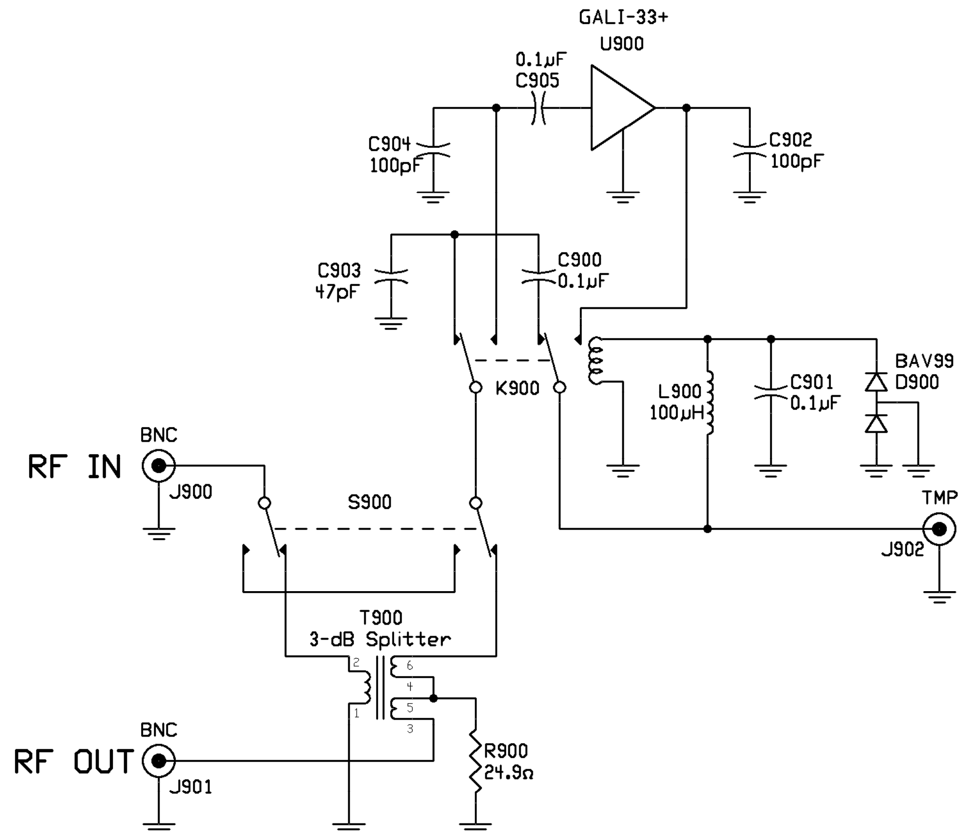


Co:	Elecraft
Title:	P3 Front Panel - DSP/Keys
Board:	P3_fp.sh2 — Revision: D
Author:	Alan Bloom — Size: A
Date:	3/11/2010 — Sheet 2 of 3



Co:	Elecraft
Title:	P3 Front Panel - Display
Board:	P3_fp.sh3 — Revision: D
Author:	Alan Bloom — Size: A
Date:	3/11/2010 — Sheet 3 of 3


5V O.V. Crowbar
3.3V O.V. Crowbar
5V Reg.
3.3V Reg.
Sensor
Backplane
RS-232
P500
TP500
TP501
TP502
TP503
TP504
TP505
TP506
TP507
TP508
D500 3A
D501 3A
F500 1A
+12_UNSW
1.235V
C500 0.1µF
P501
R500 10KΩ
R501 47KΩ
R502 100KΩ
D503 15V
D502 LM285
R503 10KΩ
R504 10KΩ
R505 1KΩ
U500a LM393
D504 BAV99
Q500 MCR706
C501 0.01µF
R508 2.7KΩ
R509 1KΩ
R506 10KΩ
R507 470Ω
U500b LM393
D505 BAV99
Q501 MCR706
C502 0.01µF
R510 4.7KΩ
R511 1KΩ
VREF
VREV
VSCL
VFWD
AVSS
SENSE
PWON
SCALE
P503
P502
Q502 FDN358P
R512 10KΩ
C503 0.47µF
Q503 MMBT2222
R513 47KΩ
R516 110KΩ
L500 47µH
C504 100µF 35V
C505 100µF 35V
C506 0.1µF
U501 BP5220A
VIN VOUT CTL NC NC FB ADJ GND
R514 0.15Ω
C509 0.047µF
C507 470µF 25V
R517 1kΩ
R518 1kΩ
R522 150kΩ
U503a LM393
C511 120pF
R524 47kΩ
U502 BP5220A
R515 0.15Ω
C510 0.047µF
C508 470µF 25V
R519 1kΩ
R520 1kΩ
R521 240kΩ
R523 110kΩ
U503b LM393
C512 120pF
R525 47kΩ
P504
L501 100µH
U504
C513 0.1µF
C515 0.1µF
C514 0.1µF
C516 0.1µF
C517 0.1µF
C1+ C1- C2+ C2- V+ V-
TX1 TX2 RX1 RX2
T1 T2 R1 R2
HIN232
K500
C518 1000pF
C519 1000pF
C520 1000pF
C521 1000pF
L502 100µH
L503 100µH
L504 100µH
L505 100µH
J500
P505
TXD RXD
DTR
CTS
RTS
Dsub9 Female DCE (to PC)
Dsub9 Male DTE (to radio)
C522 0.1µF
C523 0.1µF
+5
+3.3
D
Co: Elecraft
Title: P3 Rear Panel I/O
Board: P3_rp.sch
Revision: B
Author: Alan Bloom
Size: A
Date: 4/22/2010
Sheet 1 of 1



Co:	Elecraft
Title:	P3 Rear Panel RF Board
Board:	P3_if_D.sch — Revision: D
Author:	Alan Bloom — Size: B
Date:	10/26/2010 — Sheet 1 of 1